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Abstract

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The invention is an optoelectronic device and method of fabrication where at least two optical devices are formed on a single semiconductor substrate, with each optical device including an active region such as a multi-quantum well region. The active devices are spatially separated and optically coupled by a passive waveguide formed over the substrate which provides butt joints with the active regions. The butt joints can be optimized independently from the active regions thus improving yield.

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